4208 & 4211 SERIES

8 HP Tractor Mfg. No. 1690840

11 HP Tractor Mfg. No. 1690843

11 HP Tractor Mfg. No. 1690909

36" Rotary Mower Mfg. No. 1690838



PARTS MANUAL



Product identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for	quick, future reference.			
Product Mfg. No.	S/N	Mower Mfg. No	S/N	

Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

NOTE: Specifications may change without notice.

SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT These genuine Simplicity products will help the owner extend the life of his equipment.

OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

Special Worm Gear (Roticul) Off for use in all titlers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. Case of 12 Quarts, Part #1685100, Individual Quarts 118065.

Multi-Purpose Hydraulic/Transmission Dil for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific Simplicity applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) Case of 12 Quarts, Part #1685516, 2½ Gallon Container, Part #1685539.

2-Cycle Engine Oil, a premium lubricant for all 2-cycle aircooled engines. Case of 12 Part #1685517.

SAE 5W 30 SF/CD Cold Weather Engine Oil for use in all four cycle and diesel engines at 30° temp, and under. Case of 12 Quarts, Part # 1685576.

SAE 15W40 SF/CD Engine Oil for gas and diesel engines, warm weather; see engine manufacturer recommendations. Case of 12 Quarts, Part #1685554.

Grease Gun Kit has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease, Part #1685510. For replacement tube, order Part # 103077.

Pnoumatic Tire Seal, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

Case of 12 - 11 Oz. Tubes 1685537 Case of 24 - 11 Oz. Tubes 1685525 5 Gallon Palt 1685827 Touch-Up Paint keeps equipment in showroom condition.

Spray Cans	Quarta	Daubbers 12/Ctn.
*Simplicity Orange - 103262 (12 cans/1685179)	1685037	1685520 - Mixed (6 Simp. Orange, 6 White)
**Classic Orange - 1685558 (12 cans/1685559)	1685560	1685562 - Mixed (6 Classic Orange, 6-White)
White 103049 (12 cans/1685178)	1685032	1685562 - Mixed (6-Classic Orange, 6-White) 1685520 - Mixed (6-Simp. Orange, 6-White)
Black - 1685551 (12 Cans/1685552)	N,A,	N.A.

*For 1977 thru early 1986 products.
**For products produced after 12/1/85.

Simplicity Designer Seat Covers are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

Small Cover for 4000, 5000,
 & 6100 Tractors
 Large Cover for 8200, 7000 &
 9000 Tractors
 1685541
 SunStar Seat Cover
 1685577

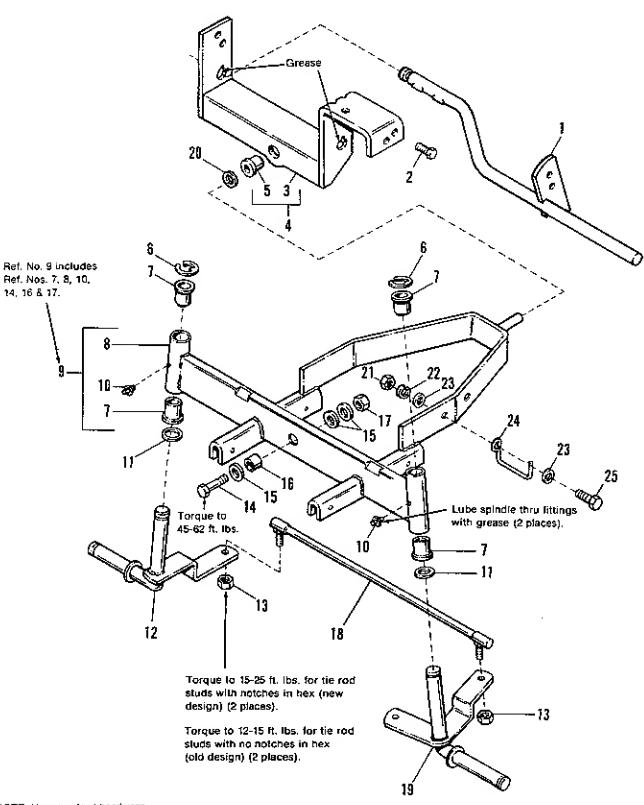
Table of Contents

FRAME GROUP	
FRONT AXLE GROUP	4
STEERING & FRONT WHEEL GROUP	6
ENGINE GROUP	10
REAR TIRES & DRIVE GROUP	. ,
BRAKE & CLUTCH	14
ELECTRICAL GROUP	16
HOOD, GRILLE & DASH GROUP	22
SEAT & DECK GROUP	24
36" MOWER, DECK & ARBOR GROUP	
36" CLUTCH & ROLLER SUPPORT GROUP	
36" ROLLER & MISC. GROUP	30
DECAL GROUP	32
PEERLESS TRANSAXLE MODEL 801-019	34
PEERLESS TRANSAXLE MODEL 801-099A	,
STANDARD TORQUE SPECIFICATIONS	Inside Back Cove

A-11655 Early Models 39 19 42 27 28 25 38 `26 24 30 ²²21 32 Mount support (Ref. No. 33) using front hole. NOTE: Use standard hardware torque spec, chart unless otherwise noted.



Ret.	Part	_	
No.	No.	Qty.	Description
1	1654707	1	BRACE, Seat
2	924856	6	SCREW, Taptite, 5/16-18 x 1/2
3	1671749	1	SUPPORT, Axie Wrapper
		1	BAR, Draw
4	1655591	3	CAPSCREW, Hex, 3/8-16 x 1
5	921210	=	· ·
6	916965	10	LOCKWASHER, 3/8
7	916950	10	NUT, Hex. 3/8-16
8	921965	6	CAPSCREW, Hex. 3/8-16 x 3/4 GRIP, Handle
9	172038	1	HANDLE, Lift
10	1673204	1	WASHER
11	156116	1	CAPSCREW, Hex, 5/16-18 x 1-1/4
12	921977	1	
13	122186	1	CLAMP CARCEREN How Weeker Hel. 1/4 20 v 5/9.
14	936517	1	CAPSCREW, Hex Washer Hd., 1/4 20 x 5/8
15	1668970	1	PLATE, Adaptor
16	1673911	1	SPAING, Extension (Used on 1690840
			after serial no. 3329 and 1690909
		_	after serial no. 2607.)
17	1656754	1	BAR, Support
18	1656755	1	ARM, Support
19	921959	2	CAPSCREW, Hex, 1/4-20 x 5/8
20	1654783	1	SUPPORT, Clutch
21	916964	4	LOCKWASHER, 1/4
22	916622	4	NUT, Hex, 1/4-20
23	1667885	1	LEVER ASSY., Clutch PTO (Used on 169084 before serial no. 3330 and on 1690909 before serial no. 2608 and on all 1690843.)
	1673910	1	LEVER ASSY., Clutch, PTO (Used on 1690840 after serial no. 3329 and on 1690909
	•		after serial no. 2607.)
24	176934	1	GRIP, Handle
25	1674141	2	FOOTREST
26	921332	14	CAPSCREW, Hex, 5/16-18 x 3/4
27	917356	20	LOCKWASHER, 5/16
28	917372	20	NUT, Hex, 5/16-18
29	1664847	4	SCREW, Taptite, 5/16-18 x 3/4
30	1655076	2	BRACE, Axle Support
31	1 664 034	1	SUPPORT, Axie
32	919381	1	WASHER, Plain, 11/32-1 x 10 Ga.
33	1665803	1	SUPPORT
34	1672118	1	STOP, Belt
35	1665812	1	STOP, Belt
36	917377	2	WASHER, 1/4
37	921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
38	1656791	1	SUPPORT
39	1674420	1	FRAME
40	1872075	2	LATCH ASSY.
41	920562	2	CARRIAGE BOLT, 5/16-18 x 3/4
42	917642	2	WASHER, Plain, 5/16
43	925003	4	SCREW, Taptite, 1/4-20 x 1/2
44	923325	2	GAPSCREW, Hex, 5/16-18 x 7/8
45	927429	2	SCREW, Taptite, 1/4-20 x 5/8 (Used on 1690840 after serial no. 3329
46	158399	1	and 1690909 after serial no. 2607.) RfNG, Retaining (Used on 1690840 after serial no. 3329 and 1690909 after serial no. 2607.)



NOTE: Use standard hardware torque spec, chart unless otherwise noted.



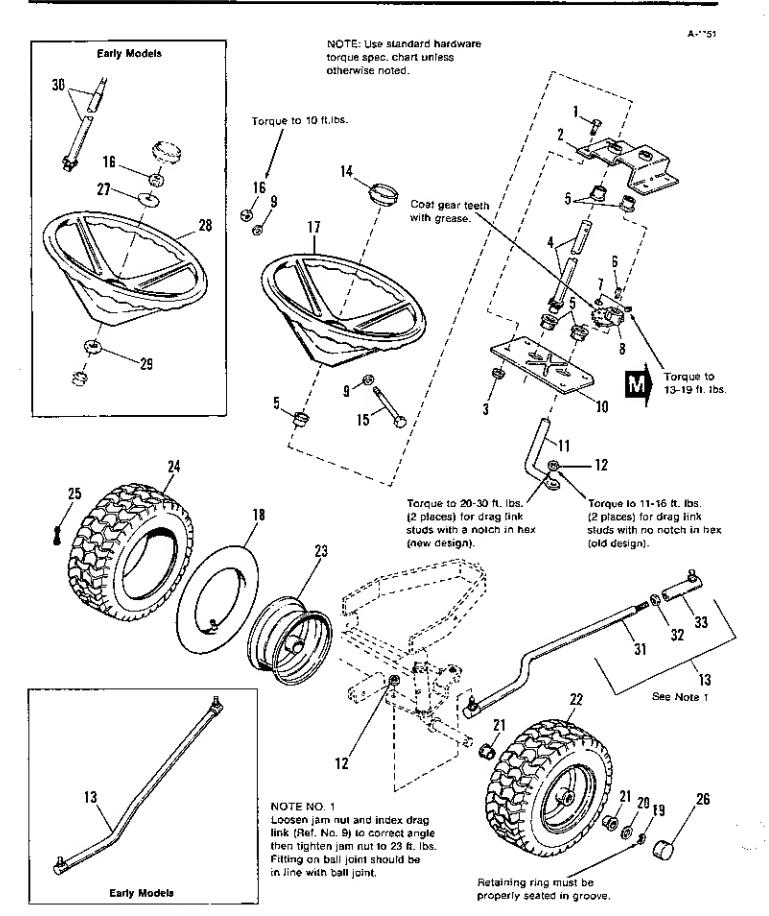
Ret.	Part		
No.	No.	Qty.	Description
1	1665864	1	LEVER ASSY., Brake
2	1664847	5	SCREW, Taptite, 5/16-18 x 3/4
3		1	SUPPORT ASSY., Axle, Rear (See Ref. No. 4)
4	1665601	1	SUPPORT ASSY., Rear w/Bushing
5	1663114	1	BUSHING
6	927794	2	E-RING, Ext., 3/4
7	176440	4	BUSHING
В		1	AXLE SUB ASSY. (See Ref. No. 9)
9	1671547	1	AXLE ASSY., Front
10	921133	2	FITTING, Lube, Drive Type
11	108181	2	WASHER
12	1665079	1	SPINDLE ASSY., R.H. (4208 only)
	1673325	1	SPINDLE ASSY., R.H. (4211 only)
13	1668927	2	LOCKNUT, Hex, 3/6-24 (Gr. 8)
14	921525	1	CAPSCREW, Hex, 1/2-13 x 1-3/4 (Gr. 8)
15	926192	3	WASHER, 9/16
16	1671260	1	SPACER
17	930646	1	LOCKNUT, Hex, 1/2-13
18	1667247	1	TIE ROD ASSY.
19	1673637	1	SPINDLE ASSY., L.H. (4208)
	**1673638	1	SPINDLE ASSY., L.H. (4211)
	***1665080	1	SPINDLE ASSY., L.H. (4208)
	****1673324	1	SPINDLE ASSY., L.H. (4211)
20	919387	1	WASHER, 5/8
21	917372	1	NUT, Hex, 5/16-18
22	917356	1	LOCKWASHER, 5/16
23	917 64 2	2	WASHER, 5/16
24	1668147	1	GUIDE, Drag Link
25	921333	7	CAPSCREW, Hex Hd., 5/16-18 x 1

^{*}Used on 1690840 on serial nos. 1326 through 3320.

^{**}Used on 1690843 after serial no. 1498.

^{***}Used on 1690840 before serial no. 1327 and after serial no. 3319.

^{****}Used on 1690843 before serial no. 1499 and 1690840 after serial no. 3319 and on all 1690909.



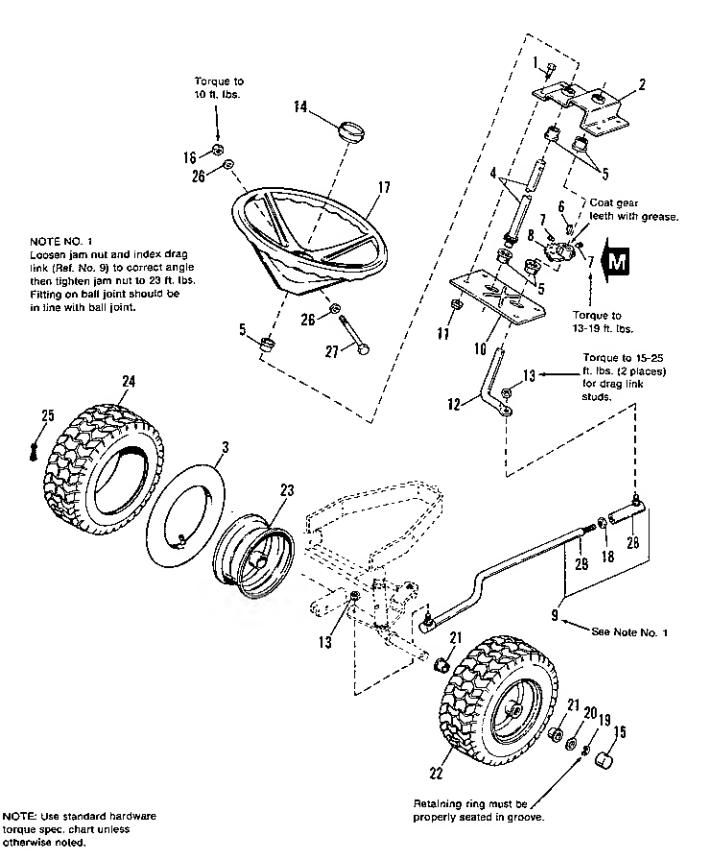


Ref. No.	Part No.	Qty.	Description
+	001000	4	CAPSCREW. 5/16-18 x 3/4
1	921332		TOP PLATE, Steering
2	1667513	1	
3	935048	4	LOCKNUT, Flange Whiz, 5/16-18
4	1673009	1	SHAFT ASSY, Steering
5	176440	5	BUSHING
6	1667622	1	KEY
7	928721	2	SETSCREW, 5/16-18 x 1/2, Gr. 8
B	1685168	1	GEAR, Steering
9	1919326	2	WASHER, Plain, 5/16
10	1652743	ī	BASE PLATE, Steering
11	1673635	i	ROD, Steering (Used on Mfg. No 1690840
H	1073033	'	from serial no. 1327 thru 3319; and on
		_	Mfg. No.1690843 after serial no. 1498.)
	1657248	1	ROD, Steering (Used on Mfg. No. 1690840
			before serial no. 1327 and on Mig. No.
			1690843 before serial no. 1499.)
	1674076	1	ROD, Steering (Used on Mfg. No. 1690840
			after serial no. 3319.)
12	1668927	2	LOCKNUT, Center, 3/8-24
13	1667249	ī	LINK, Drag (Used on all Mfg. No.
	10012-0	•	1690843, and on 1690840 before
			serial no. 3320) (One piece assy.)
	1074140	1	LINK ASSY, Drag (Used on all Mlg. No.
	1674143	•	
			1690840 after serial no. 3319)
			(Incl. Ref. Nos. 32, 32, 33)
14	1657017	7	CAP, Steering Wheel
15	1925690	1	BOLT, Hex, 5/16-18 × 3-1/2
16	923362	1	LOCKNUT, Hex. 5/16-18
17	11670989	1	WHEEL, Steering
18	1664090	1	TUBE (Service Only See Note Below)
19	927794	2	"E" RING. Ext., 3/4
20	1673352	2	WASHER
21	156316	4	BEARING
22	1651787	2	WHEEL & TIRE ASSY., 13 x 5.00-6
45	1031101	-	(Used on Mig. No. 1690840)
	1000017	- 2	WHEEL & TIRE ASSY., 15 × 6.00-6
	1653617	2	Wheel a Min Aloue 1000043
			(Used on Mfg. No. 1690843)
23	1651774	2	WHEEL, w/o Bearings
			(Used on Mfg. No. 1690840)
	1653615	2	WHEEL, w/o Bearings
			(Used on Mfg. No. 1690843)
24	1651786	2	TIRE, 13 x 5.00-6, Tubeless Turf Tread
			(Used on Mfg. No. 1690840)
	1653618	2	TIRE, 15 x 6.00-6, Cartisle
	1000070	_	(Used on Mfg. No. 1590843)
	1656885	2	TIRE, 15 x 6.00-6, Goodyear
	1000000	-	(Used on Mfg. No. 1690843)
	470000	•	
25	172353	2	STEM, Valve
26	1673333	2	CAP, Hub, Threaded
27	**177649	1	WASHER, Compression
28	**1685187	1	WHEEL, Steering (Includes Ref. No. 29)
29	11667574	1	WASHER, Hex
30	**1657003	1	SHAFT, Steering
31		1	LINK, Drag (Not serviced separately, see Ref. No. 13)
32	918403	1	NUT, Jam 3/8-24 UNF-2B
33	1669567	i	BALL JOINT ASSY.
++		-	

NOTE: Simplicity fire sealant can be used in place of tubes. See inside front cover.

^{*}Used on Mfg. No. 1690840 after serial no. 1395 and on Mfg. No. 1690843 after serial no. 1823.

^{**}Used on Mfg. No. 1690840 before serial no. 1396 and on Mfg. No. 1690843 before serial no. 1824.

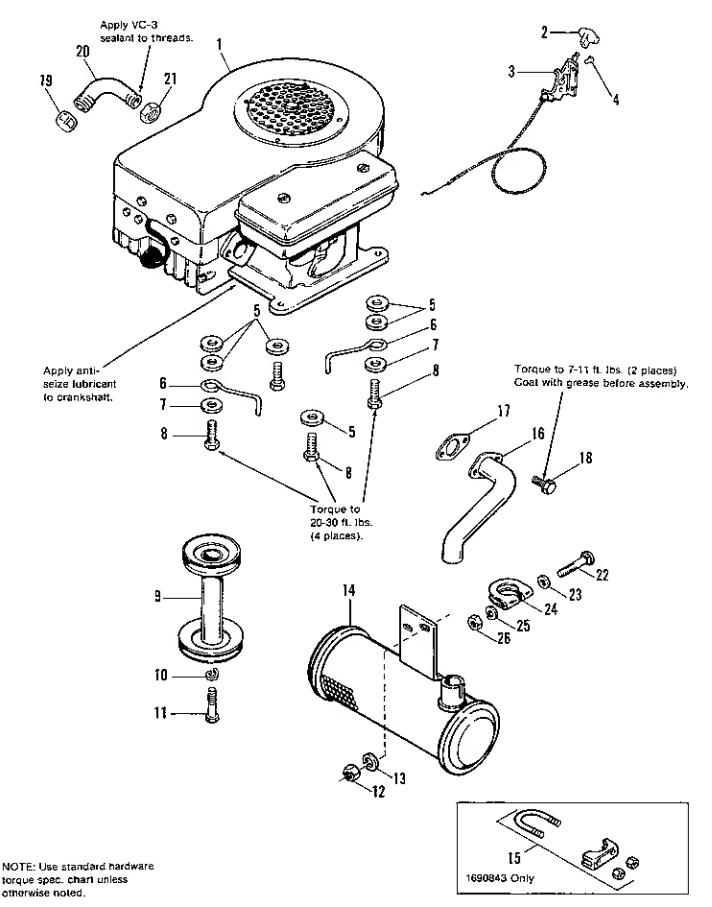




Ref.	Pari		
No.	No.	Qty.	Description
-			
1	921332	4	CAPSCREW, 5/16-18 x 3/4
2	1 6 87513	1	TOP PLATE, Steering
3	1664090	1	TUBE (For Service Only)
4	1674140	1	SHAFT ASSY., Steering
5	176440	5	BUSHING
6	1667622	1	KEY
7	928721	2	SETSCREW, 5/16-18 x 1/2, Gr. 8
8	1675388	1	GEAR, Steering
9	1674143	1	LINK ASSY., Drag
10	1652743	1	BASE PLATE, Steering
11	935048	4	LOCKNUT, Flange, Whiz, 5/16-18
12	1674076	1	ROD, Steering
13	1668927	2	LOCKNUT, Center, 3/8-24
14	1657017	1	CAP, Steering Wheel
15	1673333	2	CAP, Hub, Threaded
16	923362	1	LOCKNUT, Hex, 5/16-18
17	1670989	1	WHEEL, Steering
18	918403	1	NUT, Jam, 3/8-24
19	927794	2	"E" RING, Ext., 3/4
20	1673352	2	WASHER
21	156316	4	BEARING
22	1653617	2	WHEEL & TIRE ASSY., 15 x 6.90-6
23	1653615	2	WHEEL, w/o Bearings
24	1653618	2	TIRE (Carliste)
25	172353	2	STEM, Valve
26	919326	2	WASHER, Plain, 5/16
27	925690	2	BOLT, Hex, 5/16-18 x 3-1/2
28	1669567	1	BALL JOINT ASSY.
29		1	LINK, Drag (Not Serviced Separate) See Ref. No. 9)

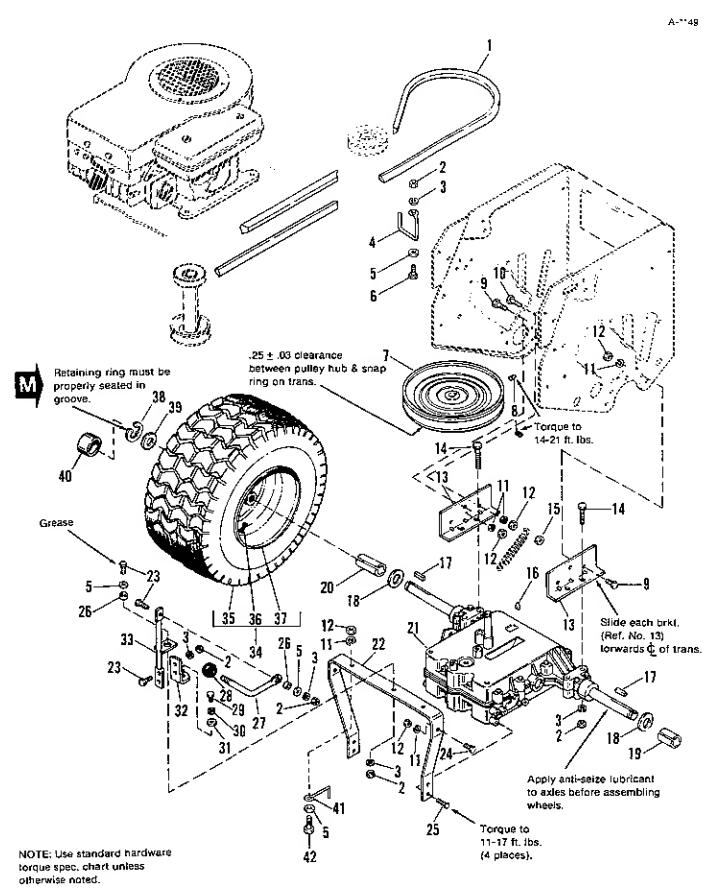
NOTE: Simplicity Pneumatic Tire Sealant can be used in place of tubes to stop rim leaks and till small punctures. See inside front cover for part numbers of tubes and cases available at your Simplicity dealer.







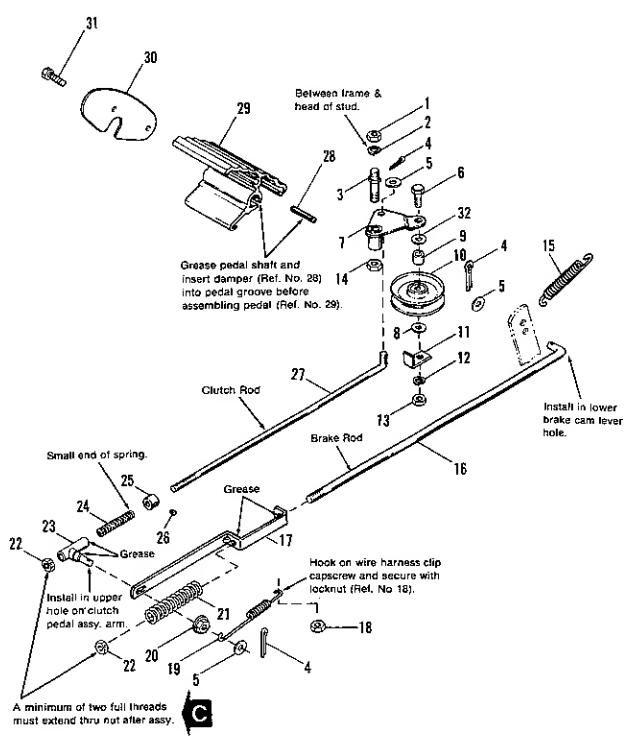
Ref.	Part		
No.	No.	Qty.	Description
1		1	ENGINE, 8 H.P. (1690840 only)
		1	ENGINE, 11 H.P. (1690843, 1690909)
2	1656099	1	KNOB, Throttle
3	1657272	1	CONTROL ASSY., Throttle
4	924939	2	RIVET, Pop. 1/4
5	924356	6	WASHER, Plain, 3/8
6	172844	2	STOP, Belt
7	917378	2	WASHER, 3/8
8	930598	4	SCREW, Taptite, 3/8-16 x 1-1/2
9	1665272	1	PULLEY ASSY., Engine
10	918199	1	LOCKWASHER, 7/16
11	928038	1	CAPSCREW, Hex. 7/16-20 x 1-1/4
12	917372	2	NUT, Hex, 5/16-18 (1690843 & 1690909)
13	917356	2	LOCKWASHER, 5/16 (1690843 only)
14	1655848	1	MUFFLER, (1690843 & 1690909)
15	931893	1	CLAMP ASSY., Exhaust (1690843 only)
16	1655860	1	PIPE, Exhaust (1690843 & 1690909)
17	1650670	1	GASKET, Muffler (1690843 & 1690909)
16	930591	2	SCREW, Whizlock, 5/16-18 x 3/4 (1690843 & 1690909)
19	1667346	1	CAP, Pipe
20	1655405	1	PIPE, Oil Drain
21	932849	1	LOCKNUT, Conduit (1690909 only)
22	931342	1	BOLT, Carriage 5/16-18 x 3-2//4 Gr. 5
			(1690909 only)
23	918642	1	WASHER, 5/16 (1690909 only)
24	1676183	1	CLAMP (1690909 only)
25	917356	1	LOCKWASHER, 5/16 (1690909 only)
26	917372	1	NUT, Hex, 5/16-18 (1690909 only)





Ref.	Part		
No.	No.	Qty.	Description
1	1666698	1	"V" BELT
2	917372	9	NUT, Hex, 5/16-18
3	917356	9	LOCKWASHER, 5/16
4	1666709	1	STOP, Belt
5	917642	3	WASHER, 5/16
6	921333	1	CAPSCREW, Hex, 5/16-18 x 1
7	1666693	1	PULLEY ASSY., Transmission
8	930540	2	SETSCREW, 5/16-18 x 5/8
9	921965	3	CAPSCREW, Hex, 3/8-16 x 3/4
10	920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
11	916965	8	LOCKWASHER, 3/8
12	916950	8	LOCKNUT, Hex. 3/8-16
13	1666632	2	SUPPORT, Transmission, Rear
14	921719	4	CAPSCREW, Hex. 5/16-18 x 2-1/4
15	930651	1	LOCKNUT, Hex, 3/8-16
16	905123	1	KEY, Woodruff, #9
17	8221042	2	KEY, 3/16 x 3/16 x 1-1/2
18	108181	2	WASHER, 15 Ga.
19	1667191	1	SPACER
20	1667192	i	SPACER
·21	TOO TOE	1	TRANSAXLE, 5 Speed, Peerless
22	1666631	1	SUPPORT, Transmission, Front
23	923325	4	CAPSCREW, Hex, 5/16-18 x 7/8
24	921966	4	CAPSCREW, Hex, 3/8-16 x 7/8
25	930601	4	SCREW, Taptite, 5/16-18 x 5/8
25 26	1666597	2	SPACER
	1666641	1	ROD, Shift
27		1	
28	8021050	1	KNOB, Ball, Shift CAPSCREW, Hex, 1/4-28 x 5/8
29	922234	1	
30	916964	-	LOCKWASHER, 1/4
31	916955	1	WASHER, Plain, 3/16
32	1666638	1	LINK, Shift, Lower
33	1666639	1	SHIFT LINK ASSY., Upper
34	1673244	2	WHEEL & TIRE ASSY., 18 x 8-1/2-8
35	1655916	2	TIRE, 18 x 8-1/2-8, Carlisle
36	172353	2	VALVE STEM & CAP
37	1673245	2	WHEEL
38	927794	2	E-RING
39	108139	2	WASHER
40	1673333	2	CAP, Hub, Threaded
41	158499	2	BELT STOP (Used on 1690840 & 169090
42	921210	2	CAPSCREW, Hex 3/8-16 x 1

^{*}NOTE: See an authorized Tecumseh dealer for parts and service; Peerless parts are not available thru Simplicity, however, for customer convenience, an exploded view of the Peerless transmission is shown at the end of the manual.



NOTE: Use standard hardware lorque spec, chart unless otherwise noted.



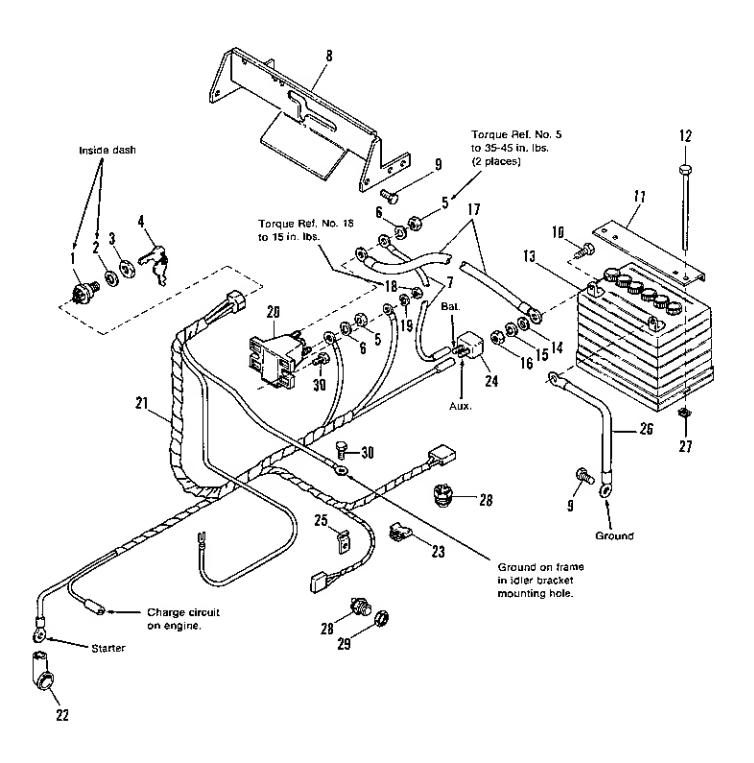
Ref.	Part		
No.	No.	Qty.	Description
1	918213	1	NUT, Hex, 7/16-14
2	918199	1	LOCKWASHER, 7/16
3	157273	1	STUD
4	918447	3	PIN, Cotter, 3/32 x 3/4
5	917377	3	WASHER, 1/4
6	921969	1	CAPSCREW, 3/8-16 x 1-1/2
7	1653076	1	IDLER ASSY.
8	917642	1	WASHER, Plain, 5/16
9	1666294	1	SPACER
10	1665460	1	PULLEY ASSY.
11	106717	1	GUIDE, Belt
12	916965	1	LOCKWASHER, 3/8
13	916950	1	NUT, Hex. 3/6-16
14	924058	1	LOCKNUT, Hex, 7/16-14
15	159106	t	SPRING, Tension
16	1666856	1	ROD, Brake
17	1663138	1	GUIDE, Rod
18	923362	1	LOCKNUT, Hex, 5/16-18
19	1666759	1	SPRING, Return
20	935048	1	LOCKNUT, Hex, Flange, 5/16-1
21	1663136	1	SPRING
22	924433	2	LOCKNUT, 5/16-18
23	1657222	1	GUIDE ASSY., Rod
24	157041	1	SPRING, Compression
25	8191022	1	COLLAR, Set
26	928804	1	SETSCREW, 1/4-20 x 3/8
27	1655055	1	ROD, Clutch
28	1657322	1	DAMPER, Rubber
29	1656852	1	PEDAL, Foot
30	1656854	1	PLATE, End
31	927429	2	SCREW, Taptite, 1/4-20 x 5/8
32	922755	1	WASHER, Plain

BRAKE LINKAGE ADJUSTMENT

- Before adjusting brake linkage, brake cam lever must be properly adjusted on disc brake.
- With brake clutch pedal engaged (up to the rear against stop), disc brake cam lever to the rear against stop and rod guide (Ref. No. 17) as far forward as slot will allow, adjust brake rod nut (Ref. No. 22) until 1/4" of clearance is obtained between nut and spring (Ref. No. 21).

CLUTCH LINKAGE ADJUSTMENT

- With clutch pedal engaged (pedal up against stop), apply 15-20 lbs, to force pulley idler (Ref. No. 10) to firmly seat transmission drive belt. Adjust clutch rod nut (Ref. No. 22) so clearance between nut and end of rod guide is 7/8 to 1".
- Fully depress clutch pedal and lock parking brake. Hold clutch rod (Ref. No. 27) so nut (Ref. No. 22) is against rod guide (Ref. No. 23) and position and lock set collar (Ref. No. 25) so spring (Ref. No. 24) is compressed 1/4 to 3/8".

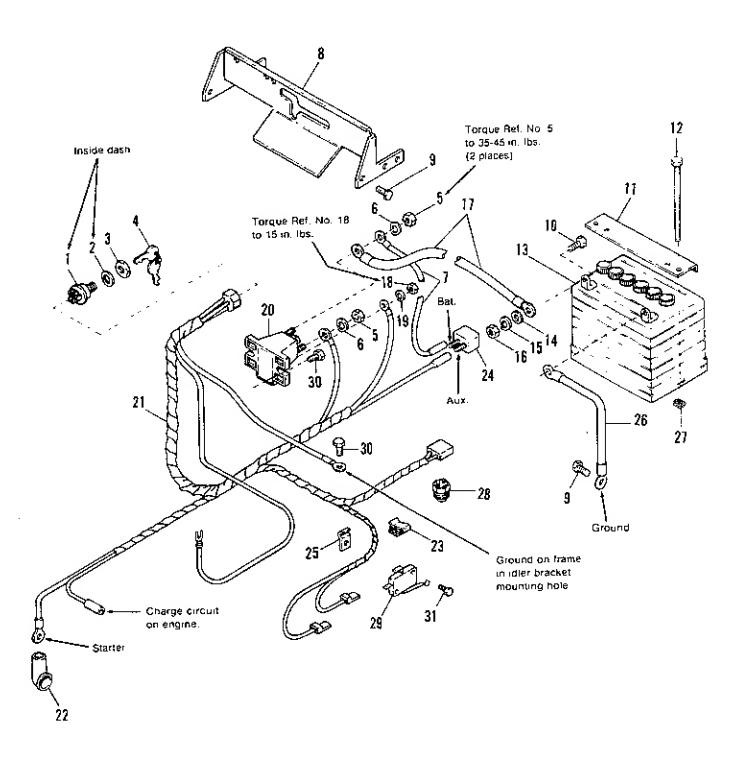


NOTE: Use standard hardware torque spec, chart unless otherwise noted.



Ref.	Part		
No.	No.	Qty.	Description
-			
1	178280	1	SWITCH, Ignition
2	918906	1	LOCKWASHER, Internal Tooth, 5/8
3	122234	1	NUT, 5/8-32
4	122203	1	KEYS, 2
5	917372	2	NUT, Hex, 5/16-18
6	917356	2	LOCKWASHER, 5/16
7	1665237	1	WIRE ASSY.
8	1672238	1	QUADRANT, Shift
9	927428	7	SCREW, Taptite, 1/4-20 x 3/8
10	923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
11	1669831	1	CLAMP, Battery
12	936291	2	CAPSCREW, Hex, 1/4-20 x 7-1/2
13	*1685215	1	BATTERY SERVICE KIT
14	921319	2	WASHER, 1/4
15	916964	2	LOCKWASHER, 1/4
16	916622	2	NUT, Hex, 1/4-20
17	1655522	1	CABLE
18	917415	1	NUT, Hex, #10-32
19	922711	1	LOCKWASHER, Ext., #10
20	1671994	1	SOLENOID
21	1666696	1	HARNESS, Wiring
22	122023	1	COVER, Terminal
23	165073	1	CLIP, Speed
24	172163	1	CIRCUIT BREAKER
25	1668602	1	CLIP, Wire
26	122213	1	CABLE
27	926022	2	NUT, Retainer, 1/4-20
28	1654634	2	SWITCH, PTO
29	930647	1	LOCKNUT, 9/16-18
30	927429	3	SCREW, Taptite, 1/4-20 x 5/8

[&]quot;Reference No. 13 includes decal.

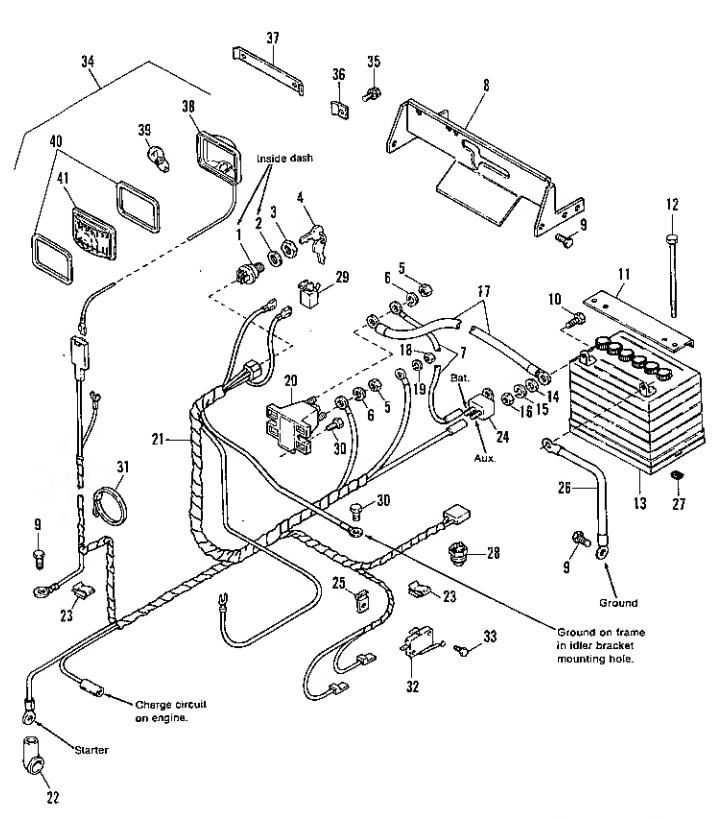


NOTE Use standard hardware torque specilichari untessi otherwise noted



Rel.	Part		
No.	No.	Qty.	Description
1	178280	1	SWITCH, Ignition
2	918906	1	LOCKWASHER, Internal Tooth, 5/8
3	122234	1	NUT, 5/8-32
4	122203	1	KEYS, 2
5	917372	2	NUT, Hex, 5/16-18
6	917356	2	LOCKWASHER, 5/16
7	1665237	1	WIRE ASSY.
8	1672238	1	QUADRANT, Shift
9	927428	7	SCREW, Taptite, 1/4-20 x 3/8
10	923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
11	1669831	1	CLAMP, Battery
12	928634	2	CAPSCREW, Hex, 1/4-20 x 7
13	11685215	1	BATTERY SERVICE KIT
14	921319	2	WASHER, 1/4
15	916964	2	LOCKWASHER, 1/4
16	915622	2	NUT, Hex, 1/4-20
17	1603195	1	CABLE
18	917415	1	NUT, Hex. #10-32
19	922711	1	LOCKWASHER, Ext., #10
20	1671994	1	SOLENOID
21	1674226	1	HARNESS, Wiring
22	122023	1	COVER, Terminal
23	165073	1	CLIP, Speed
24	1665238	1	CIRCUIT BREAKER
25	1668602	1	CLIP, Wire
26	1603618	1	CABLE
27	926022	2	NUT, Retainer, 1/4-20
28	1654634	2	SWITCH, PTO
29	1665586	1	SWITCH, Interlock
30	925592	3	SCREW, Taptite, 1/4-20 x 3/4
31	935944	2	SCREW, Taptite, #5-40 x 3/4

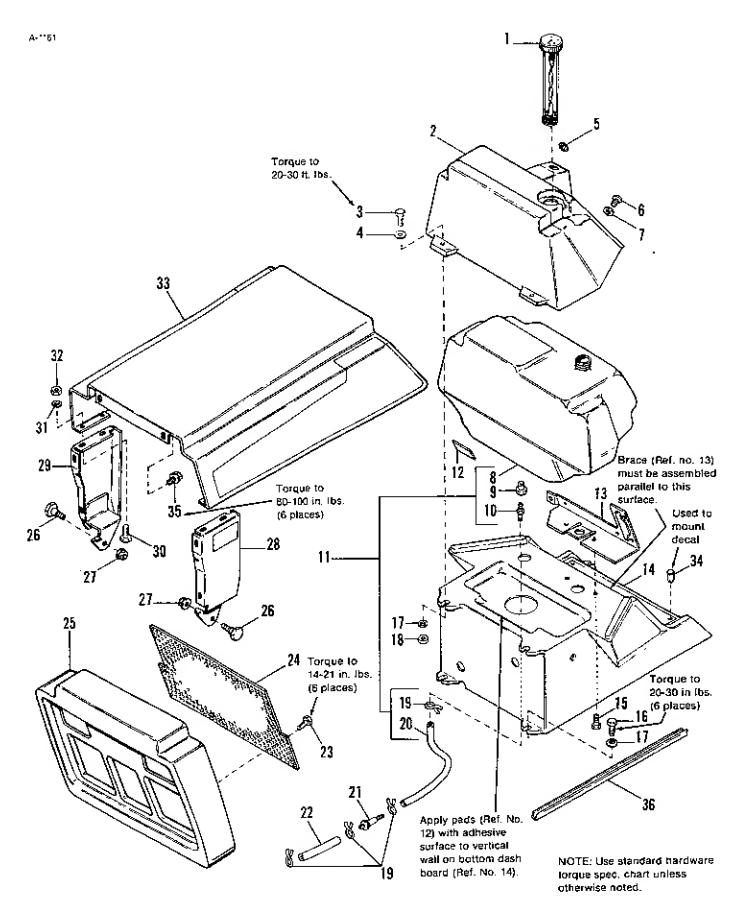
^{*}Reference No. 13 includes decal.



NOTE: Use standard hardware torque spec, chart unless otherwise noted.



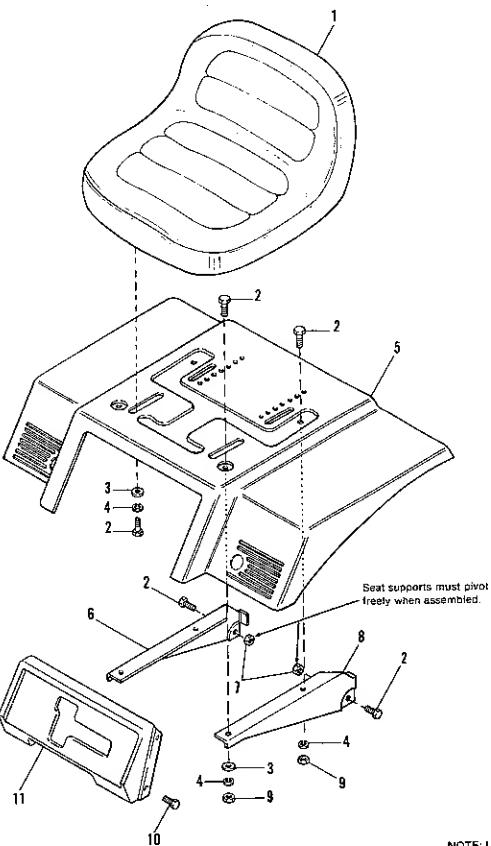
No.	No.		
		Oty.	Description
1	178280	1	SWITCH, Ignition
2	918906	1	LOCKWASHER, Internal Tooth, 5
3	122234	1	NUT, 5/8-32
4	122203	1	KEYS, 2
5	917372	2	NUT, Hex, 5/16-18
6	917356	2	LOCKWASHER, 5/16
7	1665237	1	WIRE ASSY.
8	1672238	1	QUADRANT, Shift
9	927428	8	SCREW, Taptite, 1/4-20 x 3/8
10	923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
11	1669831	1	CLAMP, Battery
12	928634	2	CAPSCREW, Hex. 1/4-20 x 7
13	1685215	1	BATTERY SERVICE KIT
14	921319	2	WASHER, 1/4
15	916964	2	LOCKWASHER, 1/4
16	916622	2	NUT, Hex, 1/4-20
17	1603195	1	CABLE
18	917415	1	NUT, Hex, #10-32
19	922711	1	LOCKWASHER, Ext., #10
20	1671994	1	SOLENOID
21	1675528	1	HARNESS, Wiring
22	122023	1	COVER, Terminal
23	165073	2	CLIP, Speed
24	1665238	1	CIRCUIT BREAKER
25	1668602	i	CLIP, Wire
26	1603618	i	CABLE
27	926022	2	NUT, Retainer, 1/4-20
28	1654634	ī	SWITCH, PTO
29	122184	i	SWITCH ASSY.
30	925592	3	SCREW, Taptite, 1/4-20 x 3/4
31	932747	1	TIE, Cable
32	1665586	1	SWITCH, Interlock
33	935944	2	SCREW, Taptite, #5-40 x 3/4
34	1665934	2	LIGHT ASSY.
	1664960	1	SCREW, Plastite, #10-14 x 1/2
35 36	1654636	2	CLIP, Headlight, Side
36 27	1657553	1	CLIP, Headlight, Center
37		1	REFLECTOR ASSY.
38	1654664	2	BULB #199
39	1004000	4	GASKET
40 41	1654662 1665933	2	LENS, Plastic, Clear





Ref.	Part		
No.	No.	Qty.	Description
- 			
1	171252	1	CAP
2	1672630	1	DASHBOARD, Top
3	921961	2	CAPSCREW, Hex, 1/4-20 x 1-1/4
4	917377	2	WASHER, 1/4
5	928852	1	CAP, Plug (Light Switch) (1690843 or
6	930561	2	SCREW, Taptite Phillips, 1/4-20 x 3/4
7	916955	2	WASHER, 3/16
8		ī	FUEL TANK (See Ref. No. 11)
9	1654930	1	BUSHING
10	1666447	1	FITTING
11	*1666490	1	TANK ASSY., Fuel
12	173335	2	PAD
13	1665301	1	BRACE
14	1668641	1	DASHBOARD, Bottom
15	925592	2	SCREW, Taptite, 1/4-20 x 3/4
16	929783	4	SCREW, Taptite, 1/4-20 x 1
17	931704	6	LOCKWASHER, Dish. 1/4
18	923358	2	LOCKNUT, Hex, 1/4-20
19	154372	4	CLAMP, Hose
20	1657575	1	HOSE, Fuel
21	173206	1	FILTER, Fuel
22	1657652	1	HOSE, Fuel (1690843 only)
23	1664960	6	SCREW, Plastite, #10-14 x 1/2
24	1656793	1	SCREEN
25	1672815	1	GRILLE
26	1656792	2	BOLT, Shoulder, 5/16-18 x 7/8
27	927557	2	LOCKNUT, Flange, Whiz, 5/16-18
28	1656787	1	PANEL ASSY., L.H.
29	1656786	1	PANEL ASSY., R.H.
30	921958	4	CAPSCREW, Hex. 1/4-20 x 1/2
31	916964	4	LOCKWASHER, 1/4
32	916622	4	NUT, Hex, 1/4-20
33	1656774	1	HOOD
34	1667248	4	CLIP, Canoe
35	1672803	6	SCREW, Plastite, 1/4 x 1
36	1672123	2	EDGING, Lower Dash

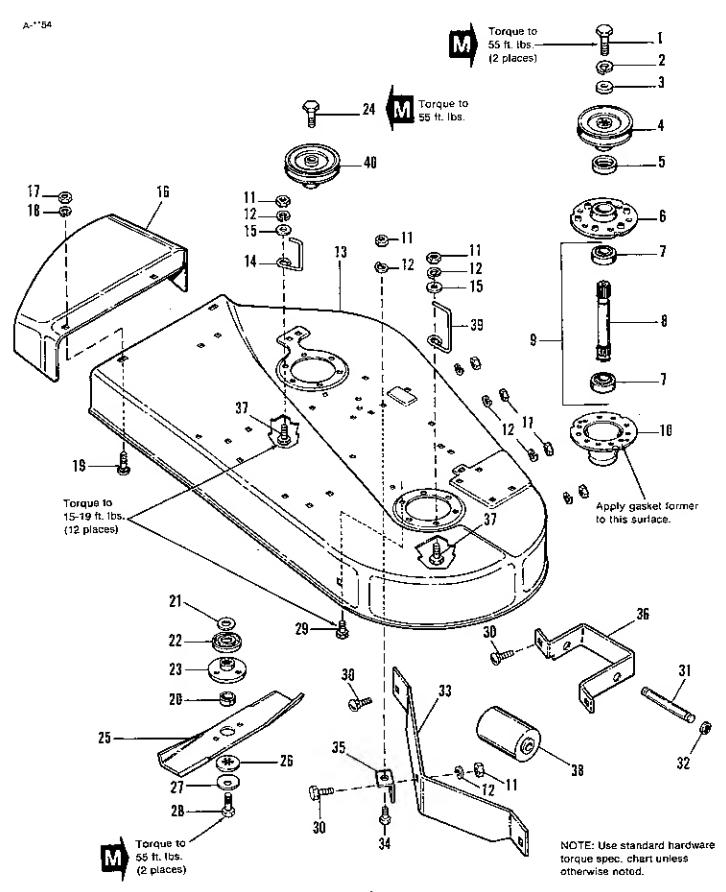
^{*}Reference No. 11 includes Ref. No. 8, 9, 10, 19 (Qty. 1), 20.



NOTE: Use standard hardware torque spec, chart unless otherwise noted.



Ref.	Part		
No.	No.	Qty.	Description
1	1666729	1	SEAT
2	921332	10	CAPSCREW, 5/16-18 x 3/4
3	917642	4	WASHER, 5/16
4	917356	8	LOCKWASHER, 5/16
5	1669279	1	DECK, Seat
6	1654708	1	SUPPORT, Seat, R.H.
7	923362	2	NUT, Hex, 5/16-18
8	1654709	i	SUPPORT, Seat, L.H.
9	917372	4	NUT, Hex, 5/15-18
10	925003	4	SCREW, Taptite, 1/4-20 x 1/2
11	1668839	1	PANEL, Shift





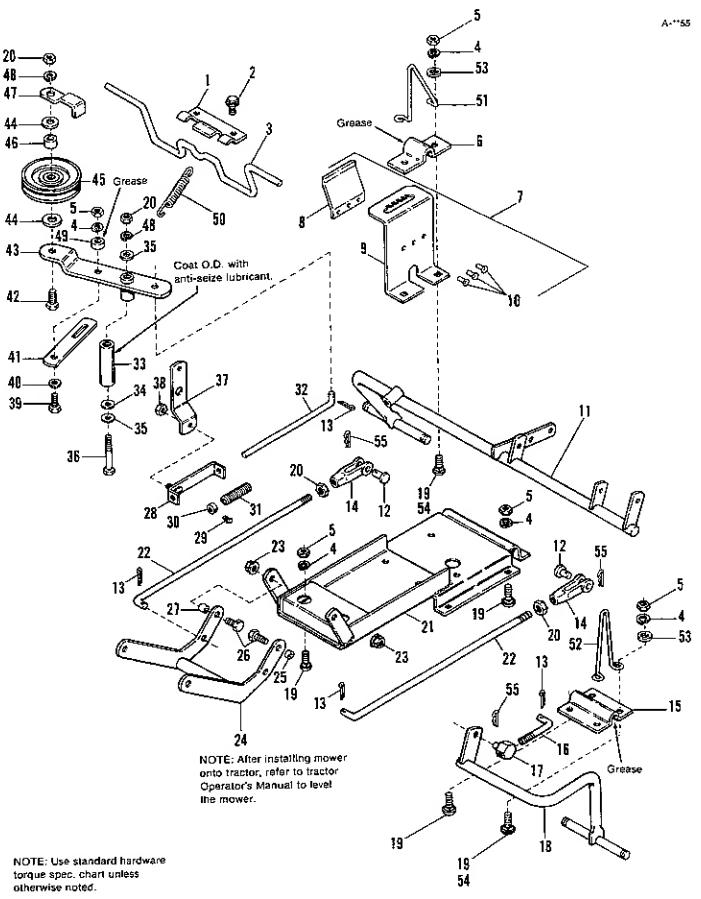
Ref.	Part		
No.	No.	Qty.	Description
	<u> </u>		· · · · · · · · · · · · · · · · · · ·
1	1930585	2	CAPSCREW, Hex Hd., 7/16-14 x 3-1/2
-	**926110	2	CAPSCREW, Hex Hd., 7/16-14 x 2-3/4
2	918199	2	LOCKWASHER, 7/16
3	933263	2	WASHER, 29/64 x1-1/4 x 1/4
4	*1673109	1	PULLEY ASSY.
	**1655839	1	PULLEY ASSY.
5	1657969	2	SHIELD, Bearing, Upper
6	1655729	2	HOUSING, Top
7	108202	4	BEARING
8	1685245	2	SHAFT, Arbor (Incl. Ref. No. 20)
9	1685251	2	SHAFT & BEARING ASSY, (Incl. Ref. Nos. 7, 8, 20)
10	1655728	2	HOUSING, Bottom
11	917372	8	NUT, Hex, Full, 5/16-18
12	917356	8	LOCKWASHER, 5/16
13	1663958	1	HOUSING, 36"
14	1657660	1	STOP, Belt
15	917642	2	WASHER, 5/16
16	1655422	1	DEFLECTOR, Mower
17	916950	2	NUT, Hex, Full, 3/8-16
18	916965	2	LOCKWASHER, 3/8
19	922110	2	BOLT, Carriage, 3/8-16 x 3/4
20	1672132	2	COLLAR, Arbor
21	1664241	2	WASHER, Shim
22	1657588	2	SHIELD, Grass
23	1655777	2	ADAPTOR, Blade
24	930584	1	CAPSCREW, Hex Hd., 7/16-14 x 2-3/4
25	1857589	2	BLADE, 36"
26	1658927	2	WASHER, Spline
27	1656916	2	WASHER, Cup
28	923491	2	CAPSCREW, Hex Hd., 7/16-14 x 1
29	1664847	11	SCREW, Hex, Wash, Hd., Taptite, 5/16-18 x 3/4
30	920562	4	BOLT, Carriage, 5/16-18 x 3/4
31	1603205	1	SHAFT, Roller, Center
32	927793	1	E-RING
33	1671577	1	BAFFLE
34	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
35	1668500	1	BRACKET, Mower
36	1671592	1	BRACKET, Center, Roller
37	927477	2	SCREW, Hex Hd., Taptile, 5/16-18 x 1
38	1668513	1	ROLLER
39	***1673106	1	STOP, Belt
40	1655839	1	PULLEY ASSY.

[&]quot;Used on serial no. 2332 and higher

^{**}Used on serial no. 2331 and lower.

^{***}Not used on serial no. 2331 and lower.

Simplicity

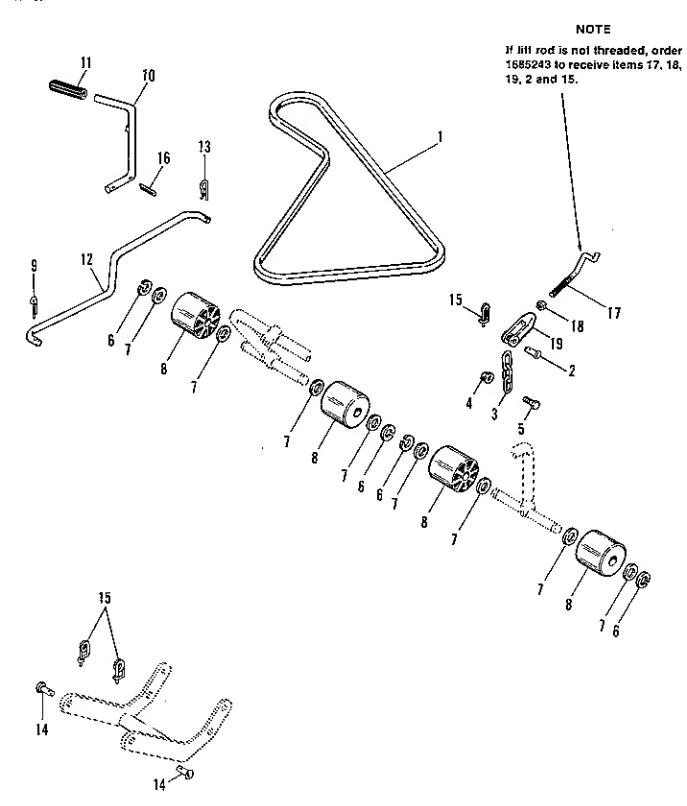




Rel. No.	Parl No.	Qty.	Description
1	1655507	1	SUPPORT, Brake
ż	927428	2	SCREW, Hex, Wash. Hd., Taptite, 1/4-20 x 3/8
3	1673110	ī	ROD ASSY Brake
•	1655425	1	ROD ASSY., Brake
4	917356	15	LOCKWASHER, 5/18
5	917372	15	NUT, Hex, Full, 5/16-18
6	1654655	1	STRAP
7	1663223	1	QUADRANT ASSY, (Includes Ref. No's, 8, 9 & 10)
8	1663222	1	SPRING, Flat
9	1663221	1	QUADRANT
10	910542	3	RIVET, Tubular, 3/16 x 5/16
11	1668099	1	SUPPORT ASSY., Roller, R.H.
12	923087	2	PIN, Clevis
13	918447	7	PIN, Cotter, 3/32 x 3/4
14	108157	2	CLEVIS, Adjusting
15	1653768	1	CLAMP, Adjusting
16	1655811	1	ROD, Balt
17	108512	1	PIVOT
18	1668098	1	SUPPORT ASSY., Roller, L.H.
19	920562	8	BOLT, Carriage, 5/16-18 x 3/4
50	916950	4	NUT, Hex, Full, 3/8-16
21	1674012	1	SUPPORT ASSY., Mower
22	1654411	2 2	ROD, Height Adjustment
23	930645 1674011	1	LOCKNUT, Hex, Flange, 3/8-16 ARM ASSY., Rocker
24 25	118335	i	SPACER
26 26	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1
27	154177	1	SPACER
28	108662	i	GUIDE ASSY., Rod
29	928804	i	SETSCREW, 1/4-20 x 3/8
30	8191022	1	COLLAR, Set
31	163103	1	SPRING
32	171320	Ť	ROD, Clutch
33	1657242	7	SPACER
34	924356	1	WASHER
35	917378	2	WASHER, Plain, 3/8
36	928957	1	CAPSCREW, Hex Hd., 3/8-16 x 2-3/4
37	1656991	1	ARM, Pivot
38	923362	1	LOCKNUT, Hex. 5/16-18
39	921333	1	CAPSCREW, Hex Hd., 3/8-16 x 2-3/4
40	917377	1	WASHER, Plain, 1/4
41	1656998	1	LEVER, Brake
42	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
43	1657241	1 2	LEVER ASSY., Clutch WASHER, Plain
44 45	922755 1665460	1	PULLEY ASSY.
45 46	1665460 1666294	1	SPACER
47	106717	i	GUIDE, Belt
48	916965	ż	LOCKWASHER, 3/8
49	165034	1	SPACER
50	159159	i	SPRING
51	1669232	1	UP-STOP, R.H.
52	1669233	1	UP-STOP, L.H.
53	917642	4	WASHER, Plain, 5/16
54	920564	6	BOLT, Carriage, 5/16-18 x 1-1/4
55	106787	3	CLIP, Hair Pin

^{*}Used on serial no. 2332 and higher. **Used on serial no. 2331 and lower.

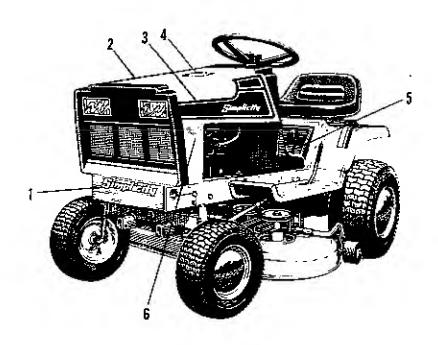
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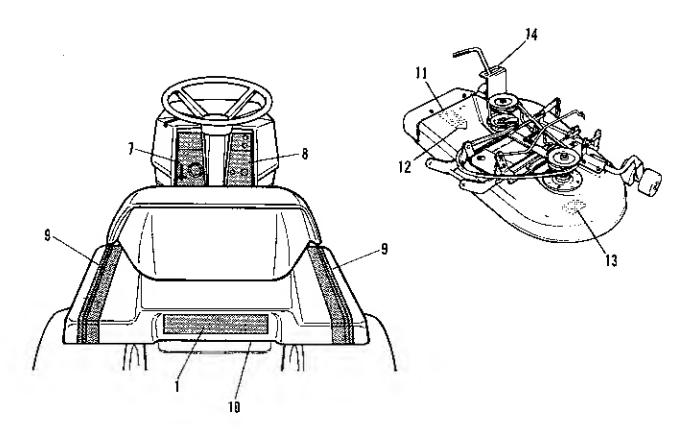


NOTE: Use standard hardware torque spec, chart unless otherwise noted.



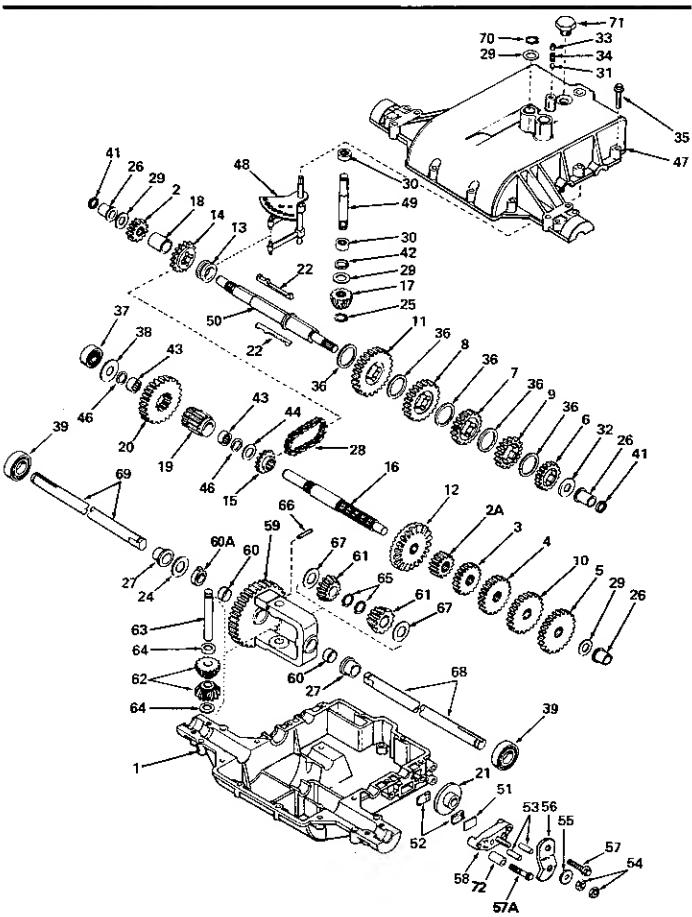
Ref.	Part		
No.	No.	Qty.	Description
1	108505	1	V-BELT, Mower Drive
2	1673574	1	PIN. Rivet
3	1656835	1	CHAIN, Lift
4	935048	1	LOCKNUT, Hex, Flange, 5/16-18
5	921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
6	153124	4	RING, Retaining
7	919387	8	WASHER, Plain, 5/8
8	1668487	4	ROLLER
9	918448	1	PIN, Cotter, 3/32 x 1
10	1656412	1	LEVER, Control
17	176933	1	GRIP, Handle
12	1668744	1	ROD, P.T.O.
13	106787	1	CLIP, Spring
14	156306	2	PIN
15	176012	3	CLIP, Pin, Safety
16	918452	2	PIN, Cotter, 1/8 x 1
17	1673576	1	ROD, Lift
18	920161	7	NUT, Jam, 5/16-18
19	1673575	1	CLEVIS







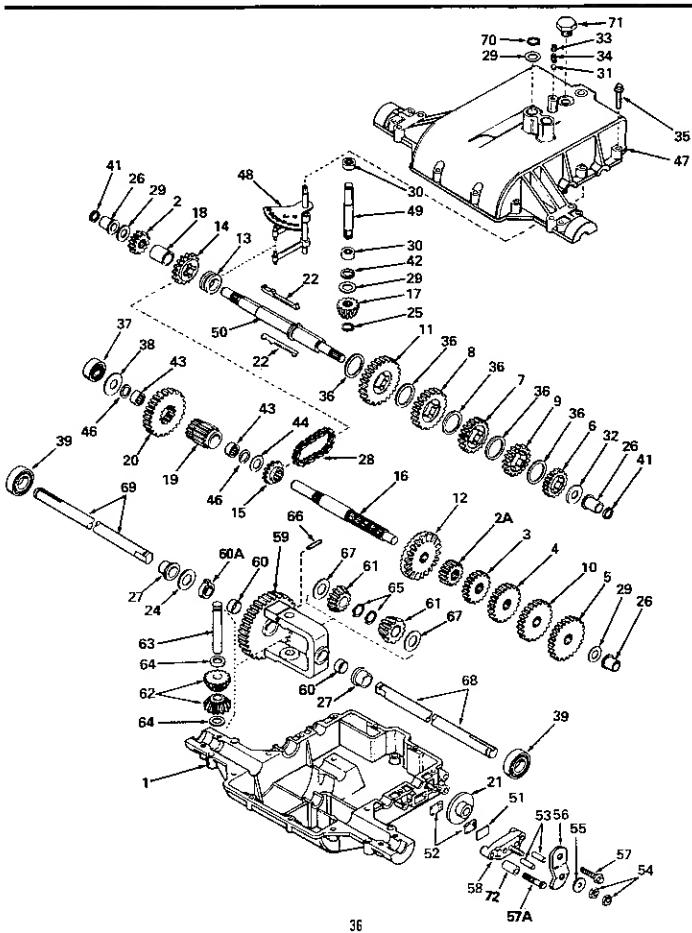
Ref.	Part		
No.	No.	Qty.	Description
1	153166	2	DECAL, Simplicity
2	1671716	1	DECAL, Hood, R.H.
3	1671717	1	DECAL, Hood, L.H.
4	1666678	1	DECAL, Drive Belt
5	1671960	1	DECAL, Shift Pattern
6	1565716	2	DECAL, 4208 Electric
	1666715	2	DECAL, 4211 Electric
7	1673431	1	DECAL, Dash, L.H. Side
8	1673430	1	DECAL, Dash, R.H. Side
•			(1690840, 1690843 only)
	1675184	1	DECAL, Dash, R.H. Side (1690909 only
9	1657131	2	DECAL, Seat Deck
10	1670969	1	DECAL, Battery, Simplicity
11	1672692	1	DECAL, Warning
12		1	DECAL, OPEI
13	1672691	1	DECAL, Danger
14	1656855	1	DECAL, Mower Height





Ref.	Part		
No.	No.	Qty.	Description
1	770071A	1	CASE, Transaxle
2	778136	1	GEAR, Spur (15 teeth)
2A	778145	1	GEAR, Spur (12 teeth)
3	778126A	1	GEAR, Spur (20 teeth)
4	778127A	1	GEAR, Spur (25 teelh)
5	778129A	7	GEAR, Spur (30 teeth)
6	778121A	1	GEAR, Spur (20 teeth)
7	778123A	1	GEAR, Spur (25 teeth)
6	778124A	1	GEAR, Spur (30 teeth)
9	778122A	1	GEAR, Spur (22 teeth)
10	778128A	1	GEAR, Spur (28 teeth)
11	778146A	1	GEAR, Spur (37 teeth)
12	778137A	1	GEAR, Bevel (42 teeth)
13	784266	1	COLLAR, Shift
14	786060	1	SPROCKET (14 teeth)
15	786061	1	SPROCKET (10 teeth)
16	776204	1	SHAFT, Counter
17	778113A	1	BEVEL PINION, Input
18 786074		1	SPACER
19	778138	1	PINION, Output
	778139	1	GEAR, Output
20	790003	1	DISK, Brake
21		2	KEY
22	792089A	1	WASHER
24	780001 780040	1	RING, Retaining
25	788040 780406 A	3	BUSHING, Flanged
26	780105A		BUSHING, Flanged
27	780118A	2	CHAIN, Roller (No. 41 chain, 22 links)
28	786062	1	WASHER, Thrust
29	780072	4	BEARING, Thrust
30	780122	2	
31	792077	1	BALL, Steel
32	780109	1	WASHER, Thrust
33	792078	1	SCREW, Set, 3/8-16 x 3/8
34	792079	1	SPRING
35	792073	17	SCREW, Hex Hd., Thd. Form., 1/4-20 x 1-1/4
36	780108	5	WASHER, Thrust
37	780121	2	BEARING, Ball
36	780113	1	WASHER, Flat
39	780119	2	BEARING, Ball_
41	788051	2	RING, Square Cut
42	788057	1	RING, Square Cut
43	780112	2	BEARING, Needle
44	780114	1	WASHER, Flat
46	788053	2	RING, Square Cut
47	772082	1	COVER, Transaxle
48	784290	1	ROD & FORK ASSY., Shift
49	776135	1	SHAFT, Input

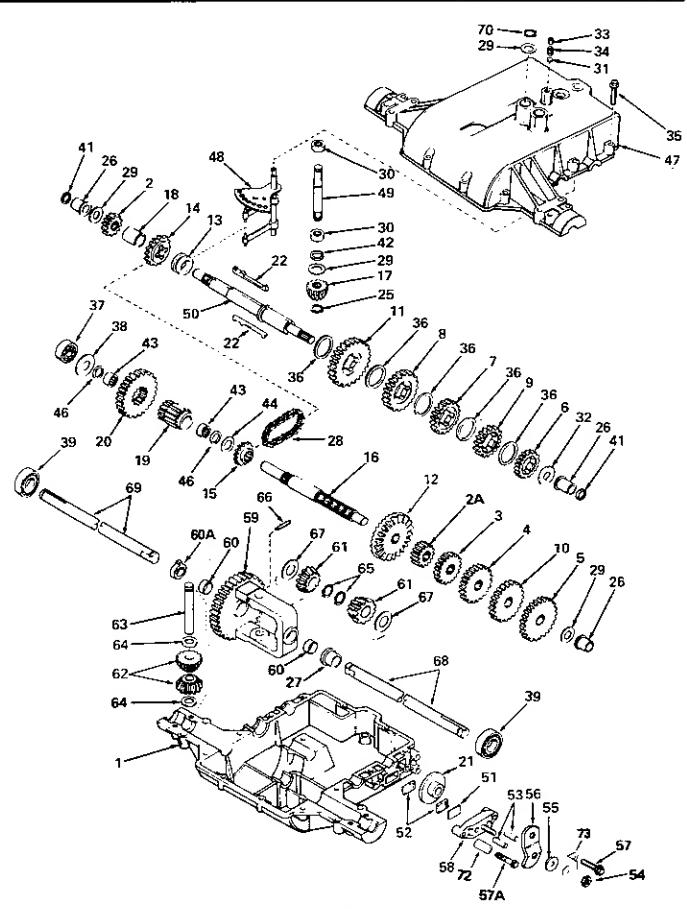
Reference Nos. 50 - 72 are found on the following page.





Ref.	Parl		
No.	No.	Qty.	Description
50	776184Ä	1	SHAFT. Brake
51	790007	i	PLATE. Brake Pad
52	790006	2	PAD, Brake
53	786026	2	PIN, Dowel
54	792075	2	LOCKNUT, 5/16-24
55	792076	î	WASHER, Flat
56	790019	1	LEVER, Brake
57	792073	1	SCREW, Hex Hd. Thd. Form., 1/4-20 x 1-1/4
57A	792085	, 1	SCREW, Hex Hd., Thd. Form., 1/4-20 x 2-1/4
58	790005	í	HOLDER, Brake Pad
59	778053A	1	GEAR ASSY, Differential (Incl. 2 of No. 60)
60	780064	2	BUSHING
60A	780120	1	BUSHING
61	778132	2	GEAR, Bevel
62	778131	2	PINION, Bevel
63	786034	1	PIN. Drive
64	780065	2	WASHER, Thrust
65	792018	2	RING, Retaining
66	792040	1	PIN, Roll
67	780001	2	WASHER, Thrust
68	774517	1	AXLE (15-1/2" [ong)
69	774516	1	AXLE (12-1/2" long)
70	792035	1	RING, Retaining
71	792074	1	PLUG, Hex Hd., 9/16-18 thread
72	786066	1	SPACER

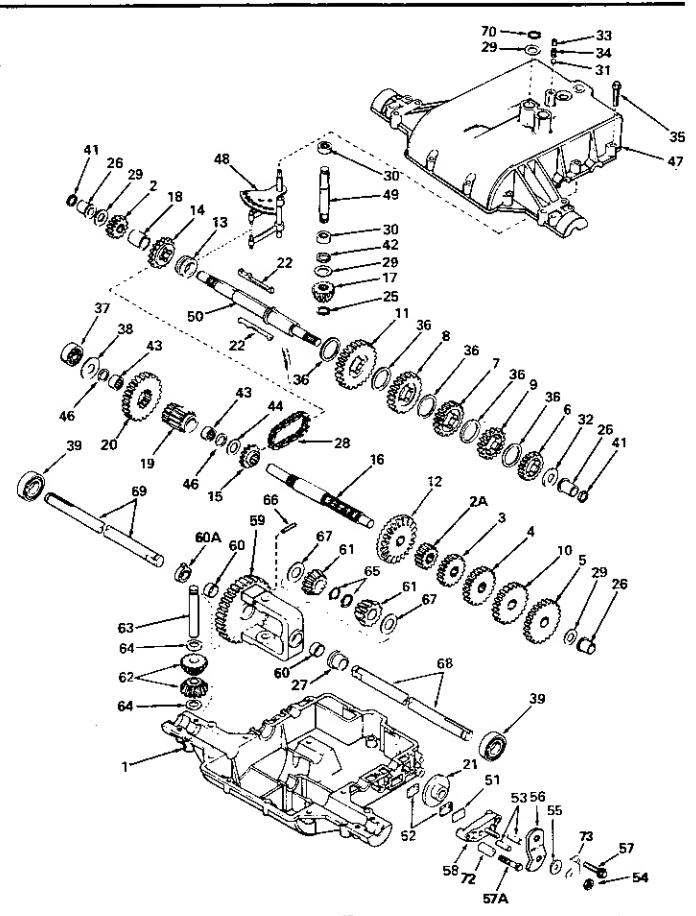
Reference Nos. 1-49 are found on the preceding page.





No. No. Qty. Description 1 770071A 1 CASE, Transaxle 1 778136 1 GEAR, Spur (15 teeth) 2A 778145 1 GEAR, Spur (20 teeth) 3 778126A 1 GEAR, Spur (25 teeth) 4 778127A 1 GEAR, Spur (25 teeth) 5 778129A 1 GEAR, Spur (25 teeth) 6 778121A 1 GEAR, Spur (26 teeth) 7 778123A 1 GEAR, Spur (26 teeth) 8 778124A 1 GEAR, Spur (26 teeth) 9 778122A 1 GEAR, Spur (26 teeth) 10 778128A 1 GEAR, Spur (26 teeth) 11 778146A 1 GEAR, Spur (27 teeth) 12 778137A 1 GEAR, Spur (28 teeth) 12 778137A 1 GEAR, Spur (28 teeth) 13 784266 1 GEAR, Spur (28 teeth) 14 786060 1 GEAR, Spur (27 teeth) 15 786061 1 GEAR, Spur (27 teeth) 16 776204 1 SHAFT, Counter 17 778113A 1 GEAR, Bevel (42 teeth) 18 785074 1 SPACER 19 778138 1 PINION, Input 18 785074 1 SPACER 19 778138 1 PINION, Output 20 778139 1 GEAR, Output 21 790003 1 DISK, Brake 22 792089A 2 KEY 25 786040 1 RING, Retaining 26 780105A 3 BUSHING, Flanged 27 780118A 1 BUSHING, Flanged 28 786062 1 GHAIN, Roller (No. 41 chain, 22 links) 29 780072 4 WASHER, Thrust 30 780122 2 BEARING, Needle 31 790277 1 BALL, Steel 32 780108 5 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Set, 3/8-16 x 3/8 39 780113 1 WASHER, Flat 39 780110 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut 47 772082 1 COVER, Transaxle	Ref.	Part		•
1 778136	No.	No.	Qty.	Description
1 778136 1 GEAR, Spur (15 teeth) 2A 778145 1 GEAR, Spur (12 teeth) 3 778126A 1 GEAR, Spur (20 teeth) 4 778127A 1 GEAR, Spur (25 teeth) 5 778129A 1 GEAR, Spur (25 teeth) 6 778121A 1 GEAR, Spur (20 teeth) 7 778123A 1 GEAR, Spur (20 teeth) 8 778124A 1 GEAR, Spur (25 teeth) 9 778122A 1 GEAR, Spur (25 teeth) 10 778128A 1 GEAR, Spur (26 teeth) 11 778146A 1 GEAR, Spur (27 teeth) 12 778137A 1 GEAR, Spur (28 teeth) 13 784266 1 GEAR, Spur (27 teeth) 14 786060 1 SPROCKET (14 teeth) 15 786061 1 SPROCKET (10 teeth) 16 776204 1 SHAFT, Counter 17 77813A 1 BEVEL PINION, Input 18 786074 1 SPACER 19 778138 1 PINION, Output 20 778139 1 GEAR, Output 21 790003 1 DISK, Brake 22 792089A 2 KEY 25 788040 1 RING, Retaining 26 780105A 3 BUSHING, Flanged 27 780118A 1 BUSHING, Flanged 28 786062 1 CHAIN, Roller (No. 41 chain, 22 links) 29 780072 4 WASHER, Thrust 30 780122 2 BEARING, Needle 31 790277 1 BALL, Steel 32 780108 1 SPRING 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1- 36 780103 1 WASHER, Thrust 39 780113 1 WASHER, Flat 39 780113 1 WASHER, Flat 39 780113 1 WASHER, Flat 39 780114 1 BEARING, Ball 44 78014 1 WASHER, Flat 46 788053 2 SEAL, Square Cut				
2A 778145 1 GEAR, Spur (12 teeth) 3 778126A 1 GEAR, Spur (20 teeth) 4 778127A 1 GEAR, Spur (20 teeth) 5 778129A 1 GEAR, Spur (20 teeth) 6 778121A 1 GEAR, Spur (20 teeth) 7 778123A 1 GEAR, Spur (20 teeth) 8 778124A 1 GEAR, Spur (25 teeth) 8 778122A 1 GEAR, Spur (25 teeth) 9 778122A 1 GEAR, Spur (25 teeth) 10 778128A 1 GEAR, Spur (25 teeth) 11 778146A 1 GEAR, Spur (26 teeth) 12 778137A 1 GEAR, Spur (27 teeth) 12 778137A 1 GEAR, Spur (37 teeth) 13 784266 1 COLLAR, Shift 14 786060 1 SPROCKET (14 teeth) 15 766061 1 SPROCKET (10 teeth) 16 776204 1 SHAFT, Counter 17 778113A 1 BEVEL PINION, Input 18 786074 1 SPACER 19 778138 1 PINION, Output 10 778139 1 GEAR, Output 11 790003 1 DISK, Brake 12 792089A 2 KEY 12 792089A 2 KEY 13 780105A 3 BUSHING, Flanged 14 780072 4 WASHER, Thrust 15 780106 1 SPRING 17 780118A 1 BUSHING, Flanged 18 780107 1 SARHER, Thrust 19 78012 2 BEARING, Needle 19 780107 1 SCREW, Set, 3/8-16 x 3/8 1 792077 1 BALL, Steel 19 780108 5 WASHER, Thrust 10 SCREW, Hex Hd, thread forming, 1/4-20 x 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	i	770071A	1	CASE, Transaxie
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4 778127A 1 GEAR, Spur (25 teeth) 5 778129A 1 GEAR, Spur (30 teeth) 6 778121A 1 GEAR, Spur (30 teeth) 7 778123A 1 GEAR, Spur (30 teeth) 8 778124A 1 GEAR, Spur (30 teeth) 9 778122A 1 GEAR, Spur (30 teeth) 10 778128A 1 GEAR, Spur (22 teeth) 11 778146A 1 GEAR, Spur (28 teeth) 12 778137A 1 GEAR, Spur (37 teeth) 12 778137A 1 GEAR, Spur (37 teeth) 13 784266 1 COLLAR, Shift 14 786060 1 SPROCKET (14 teeth) 15 786061 1 SPROCKET (10 teeth) 16 776204 1 SHAFT, Counter 17 778113A 1 BEVEL PINION, Input 18 786074 1 SPACER 19 778138 1 PINION, Output 20 778139 1 GEAR, Output 20 778139 1 GEAR, Output 21 790003 1 DISK, Brake 22 792089A 2 KEY 25 788040 1 RING, Retaining 26 780105A 3 BUSHING, Flanged 27 780118A 1 BUSHING, Flanged 28 786062 1 CHAIN, Roller (No. 41 chain, 22 links) 29 780072 4 WASHER, Thrust 30 780122 2 BEARING, Needle 31 790277 1 BALL, Steel 32 780109 1 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 37 92079 1 SPRING 38 780113 1 WASHER, Thrust 39 780113 1 WASHER, Thrust 39 780113 1 WASHER, Thrust 39 780110 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 44 780114 1 WASHEE, Flat 46 768053 2 SEAL, Square Cut	2A	778145	1	GEAR, Spur (12 teeth)
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27 780118A 1 BUSHING, Flanged 28 786062 1 CHAIN, Roller (No. 41 chain, 22 links) 29 780072 4 WASHER, Thrust 30 780122 2 BEARING, Needle 31 790277 1 BALL, Steel 32 780109 1 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1/2 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BÉARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut				-
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29 780072 4 WASHER, Thrust 30 780122 2 BEARING, Needle 31 790277 1 BALL, Steel 32 780109 1 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1-3 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut				
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31 790277 1 BALL, Steel 32 780109 1 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1-3 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			2	
32 780109 1 WASHER, Thrust 33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1/4 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			1	BALL, Steel
33 792078 1 SCREW, Set, 3/8-16 x 3/8 34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming, 1/4-20 x 1-20 x 1-			1	WASHER, Thrust
34 792079 1 SPRING 35 792073 17 SCREW, Hex Hd. thread forming. 1/4-20 x 1-4 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			1	SCREW, Set, 3/8-16 x 3/8
35 792073 17 SCREW, Hex Hd. thread forming. 1/4-20 x 1-3 36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			1	
36 780108 5 WASHER, Thrust 37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			17	SCREW, Hex Hd. thread forming, 1/4-20 x 1-1/4
37 780121 1 BEARING, Ball 38 780113 1 WASHER, Flat 39 780119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut			5	
38 780113 1 WASHER, Flat 39 760119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut		780121		BEARING, Ball
39 760119 2 BEARING, Ball 41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut		780113	1	
41 788051 2 SEAL, Square Cut 42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut	39	780119	2	BEARING, Ball
42 788057 1 SEAL, Square Cut 43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut		788051		
43 780112 2 BEARING, Needle 44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut				
44 780114 1 WASHER, Flat 46 788053 2 SEAL, Square Cut				
46 788053 2 SEAL, Square Cut				WASHER, Flat
· ·				
48 784290 1 ROD & FORK ASSY., Shift			1	ROD & FORK ASSY., Shift
49 776135 1 SHAFT, Input			1	SHAFT, Input
50 776184A 1 SHAFT, Brake			1	SHAFT, Brake

Reference Nos. 51 - 73 found on the following page.





Ref.	Part		
No.	No.	Qty.	Description
	†nno		
51	790007	1	PLATE, Brake Pad
52	790006	2 .	PAD, Brake
53	786026	2	PIN, Dowel
54	792075	1	LOCKNUT, 5/16-24
55	79207 6	1	WASHER, Flat
56	790019	1	LÉVEA, Brake
57	792073	1	SCREW, Hex Hd. thread forming, 1/4-20 x 1-1/4
57A	792084	1	SCREW, Hex Hd., thread forming, 1/4-20 x 2-1/
58	790025	1	HOLDER, Brake Pad
59	778053A	1	GEAR ASSY., Differential (Incl. 2 of No. 60)
60	780064	2	BUSHING
60A	780120	1	BUSHING
61	778132	2	GEAR, Bevel
62	778131	2	PINION, Bevel
63	786034	1	PIN, Drive
64	780065	2	WASHER, Thrust
65	792018	2	RING, Retaining
66	792040	1	PIN, Roll
67	780001	2	WASHER, Thrust
66	774517	1	AXLE (15-1/2" long)
69	774516	1	AXLE (12-1/2" long)
70	792035	1	RING, Retaining
72	786066	i	SPACER
73	786086	1	BRACKET

Reference Nos. 1 - 50 are found on the preceding page.

TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE

TOLERANCE ± 20%

SIZE	SAE GRADE #2		SAE	SAE GRADE #5		SAE GRADE #8	
8-32	19	In. Lbs.	30	In. Lbs.	41	In. Lbs.	
8-36	20	**	31	4.7	43	**	
10-24	27	n	43	41	60	4+	
10-32	31		49	tr.	68	**	
1/4-20	66	24	8	Ft. Lbs	12	Ft. Lbs.	
1/4-28	76	**	10	**	14	**	
5/16-18	11	Ft. Lbs	17	4.7	25		
5/16-24	12	**	19		25	10	
3/8-16	20	**	30	**	45	**	
3/8-24	23	"	35	•	50	**	
7/16-14	30	er .	50	"	70	**	
7/16-20	35	•	55	u	80	**	
1/2-13	50	n	75	u	110	**	
1/2-20	55	er	90	74	120	er	
9/16-12	65	er	110	**	150	**	
9/16-18	75	24	120	,,	170	r	
5/8-11	90		150	••	220	•	
5/8-18	100		180	**	240	#1	
3/4-10	160	**	260	zł	386	P	
3/4-16	180	**	300	••	420	1.r	
7/8-9	140	,,	400	н	600	1.7	
7/8-14	155	n	440	21	660	te	
1-8	220	d	580		900	н	
1-12	240	**	640	**	1,000	D	

NOTE:

- These torque values are to be used for all Simplicity hardware excluding: lockmuts, self-tapping screws, thread forming screws, sheet metal screws and socket head selscrews.
- 2. Recommended seating torque values for locknuts:
 - For prevailing torque lockmuts use 65% of grade 5 lorques.
 - For flange whiziock nuts (and screws) use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

BOLT HEAD MARKING

S.A.E. GRADE:



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